

6100FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information
please call

1-800-Belden1



General Description:

Security & Commercial Audio Cable, Plenum-CL2P, 2-14 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

Usage (Overall)

Suitable Applications: Intercom/PA Systems, Sound/Audio Systems

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 2 | 14 | 19x27 | BC - Bare Copper |

Total Number of Conductors: 2

Insulation

Insulation Material:

| Insulation Trade Name | Insulation Material | Wall Thickness (mm) |
|-----------------------|---------------------------------------|---------------------|
| Flamarrest® | LS PVC - Low Smoke Polyvinyl Chloride | 0.279 |

Outer Shield

Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|-------------------------|------|--|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape w/Shorting Fold | 100 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 22 | Solid | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Trade Name | Outer Jacket Material | Nom. Wall Thickness (mm) |
|-------------------------|---------------------------------------|--------------------------|
| Flamarrest® | LS PVC - Low Smoke Polyvinyl Chloride | 0.381 |

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Lay Length & Direction:

| Length (mm) | Twists (twist/m) |
|-------------|------------------|
| 69.849725 | 14.4364 |

Overall Cabling Color Code Chart:

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | White |

Overall Nominal Diameter: 5.588 mm

Mechanical Characteristics (Overall)

UL Temperature Rating: 75°C

Bulk Cable Weight: 68.904 Kg/Km

Max. Recommended Pulling Tension: 557.804 N

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| | |
|------------------------------|-----------|
| Min. Bend Radius/Minor Axis: | 58.420 mm |
|------------------------------|-----------|

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification: | CL2P |
| NEC Articles: | 725 |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU CE Mark: | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Flame Test

| | |
|----------------|----------|
| UL Flame Test: | NFPA 262 |
|----------------|----------|

Suitability

| | |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Plenum/Non-Plenum

| | |
|--------------------|--------|
| Plenum (Y/N): | Yes |
| Non-Plenum Number: | 5100FE |

Electrical Characteristics (Overall)

Nom. Inductance:

| |
|-------------------|
| Inductance (µH/m) |
| 0.475745 |

Nom. Capacitance Conductor to Conductor:

| |
|--------------------|
| Capacitance (pF/m) |
| 278.885 |

Nom. Capacitance Cond. to Other Conductor & Shield:

| |
|--------------------|
| Capacitance (pF/m) |
| 501.993 |

Nom. Conductor DC Resistance:

| |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 8.33374 |

Nominal Outer Shield DC Resistance:

| |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 32.810 |

Max. Operating Voltage - UL:

| |
|-----------|
| Voltage |
| 150 V RMS |

Max. Recommended Current:

| Description | Current |
|----------------------|-------------------------------------|
| 10C Temperature Rise | 8 Amps per conductor @ 25°C ambient |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

METRIC MEASUREMENT VERSION

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| | | | | | |
|-----------------|----------|-----------|-------------|---|----------------------|
| 6100FE 006Z1000 | 1,000 FT | 42.000 LB | BLUE, LIGHT | | 2 #14 FLRST FS FLRST |
| 6100FE 877U1000 | 1,000 FT | 49.000 LB | NATURAL | | 2 #14 FLRST FS FLRST |
| 6100FE 877Z1000 | 1,000 FT | 42.000 LB | NATURAL | | 2 #14 FLRST FS FLRST |
| 6100FE 877Z500 | 500 FT | 23.000 LB | NATURAL | | 2 #14 FLRST FS FLRST |
| 6100FE 8771000 | 1,000 FT | 51.000 LB | NATURAL | C | 2 #14 FLRST FS FLRST |
| 6100FE 877500 | 500 FT | 25.000 LB | NATURAL | | 2 #14 FLRST FS FLRST |

Notes:

C = CRATE REEL PUT-UP.

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